

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 22 / 94

Loads: 1-5

Area Worked: 300+ -400+

Conditions: Overcast, winds NE 5-15 knots, seas 2 to 8 feet, air temp 50
water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: Digging started at 2129, on 12/21/94 with only the port
dragarm being used. TED's, skimmers, distribution boxes and their
doors are all in working order, but lateral screening still needs to
be put in place. The biological material sampled was approximately 25
horseshoe crabs, 5skates, 5 small eels, 5 starfish, 5 blue crabs, and
a few whelks. No incidents or sightings to report.

Bridge Watch Summary

Species	Tt	No. of animals	2	Comments
_____	_____	_____	_____	located near buoy
_____	_____	_____	_____	
_____	_____	_____	_____	

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 23 / 94

Loads: 6-10

Area Worked: -300+00 to -400+00

Conditions: Overcast, winds NE 15-25 knots, seas 4-8 feet, water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: Starboard dragarm has been fixed and all four distribution
boxes are being sampled. The material being dredged is a viscous
gray clay. The biological material sampled was approximately
50 horseshoe crabs, 5 skates, 10 blue crabs, 10 small eels, 40 starfish
and several dozen sand dollars. Other material found included whelk
shells, wood debris, and assorted garbage. Screening has been ordered
from the office. No incidents or sightings to report.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 24 / 94 Loads: 11-15

Area Worked: -300+00 to -400+00

Conditions: Clear, winds NE 5-10 knots, seas 1-2 feet, water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: Lateral screening was put in place on the portside spilldeck.

The material being dredged has changed to a mixture of shell and clay.

The material sampled is almost the same as the previous days except

for the addition of grey coral and a few stargazer fish. Overall

there was 60-70 horseshoe crabs, 100+ sanddollars and a handfull

of starfish, eels and blue crabs. Several stargazers and a flounder

were also found.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 25 / 94

Loads: 16-22

Area Worked: -300+00 to -400+00

Conditions: Clear, winds N 0-5 knots, seas calm, water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: No incidents or sightings of target species. Work on the lateral
screening had to be delayed due to the lack of bailing wire. The
material found in the hopper is almost all sand and shell with clay
balls found in the discharge boxes and skimmers. The TED's are
holding up well but need to have their large shackles welded shut.
50-60 horseshoe crabs have been found with only a small sampling
of starfish and sand dollars. The discharge boxes have been over half
filled with shell debris and clay balls for several dumpruns.

Bridge Watch Summary

Species	No. of animals	Comments
<u>Tt</u>	<u>2</u>	<u>Sighted near buoy #6.</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

WEEKLY SUMMARY

Dates: 12 / 22 / 94 - 12 / 25 / 94

Loads: 1-22

Are there incidents involving endangered or protected species? Yes _____ No X

Comments: No incidents or sightings of target species.

Digging began at 2129, on 12/21/94 with only the port
dragarm being used. The starboard dragarm was fixed
12/23/94 and all four distribution boxes have been in use
since that date. TED's, skimmers, distribution boxes and their
doors are all in working order, but lateral screening has only
been partially emplaced. The portside spilldeck has been
screened and the rest will be finished as material becomes
available. The TED's are holding up well but need to have their
shackles welded shut.

The material being dredged has changed from a viscous gray clay
to sand mixed with shell and clay balls.

Aerial surveys in the Savannah area have had no sightings.

Slow speed at night due to no survey has changed from
mandatory, to ship's discretion.

The biological material sampled to date has been approximately
as follows:

<u>horseshoe crabs,</u>	<u>200-225</u>	<u>sand dollars</u>	<u>100-120</u>
<u>skates,</u>	<u>10-15</u>	<u>starfish</u>	<u>50-60</u>
<u>blue crabs,</u>	<u>20-25</u>	<u>stargazer</u>	<u>4-6</u>
<u>small eels,</u>	<u>20-25</u>	<u>flounder</u>	<u>1</u>

Bridge Watch Summary

Species Tt No. of animals 2 Comments Located near buoys #6 and #7.

Observers On Duty:

Peter Westerman

Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 26 / 94

Loads: 23-30

Area Worked: -300+00 to -400+00

Conditions: Overcast to clear, winds N 5-12 knots, seas calm to 1' chop,
water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: Material being dredged is sand mixed with a large amount of
shell debris and clay balls. The starboard TED had its' large shackles
welded shut to prevent their threads from being stripped. The biological
material sampled was approximately 125-150 horseshoe crabs, 20-25 sand
dollars, 10-15 starfish and less than 5 blue crabs, skates, and eels
apiece. No sightings or incidents to report.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Peter Westerman and Andrew Brown

Dredge Sugar Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

Date: 12 / 27 / 94

Loads: 31-36

Area Worked: -300+00 to -400+00

Conditions: Clear, winds N 10-15 knots, seas 2' chop, water temp 55.

Are there incidents involving endangered or protected species? Yes _____ No X

Comments: Lateral screening has been completed. The port side TED broke a shackle and had to be repaired with the crane. The material being dredged is the same coarse sand and shell mixture with coral rocks and clay balls. The discharge boxes had to be opened during two loads due to clogging. Most of the material sampled was shell and coral with 30-40 horseshoe crabs and a handful blue crabs, eels, sand dollars and starfish.

Species

No. of animals

Comments

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 28 / 94

Loads: 37-42

Area Worked: -300+00 to -400+00

Conditions: Clear, winds NE 5-8 knots, seas 2-4', water temp 55.

Are there incidents involving endangered or protected species? Yes No x

Comments: No incidents or sightings of target species. Both TED's needed
major repairs. Starboard TED broke a large padeye and the portside
TED had its' large peripheral chains worn through. The discharge
boxes had to be opened during 3 of the 6 loads due to clogging.
The portside boxes became so full with shell and coral during load
#40 that it took $\frac{1}{2}$ hour and considerable effort to open the gates.
material
The only biological found was 80-90 horseshoe crabs.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 29 / 94

Loads: 43-48

Area Worked: -300+00 to -400+00

Conditions: clear to rain, winds variable to NE 25-35 knots, seas calm to 8'
water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: Large waves constantly washed into the hopper cleaning the
lateral screens. During loads #46 and #47 the skimmers became clogged
with several hundred starfish. Material built up to 3' deep and
required a shovel to clear them. As a result the skimmers became
unsafe to walk on and needed an hours worth of welding for each
skimmer. In all over 1,000 sand dollars and 1,500 starfish were found
during the night. Over 75 horseshoe crabs were found with over 50
spider and blue crabs, 15 skates, and 10+ eels. No incidents or
sightings to report.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 30 / 94

Loads: 49-52

Area Worked: -300+00 to 400+00

Conditions: Rain, winds NE 20-35 knots, seas 6'-10', water temp 55.

Are there incidents involving endangered or protected species? Yes No X

Comments: Stormy weather continually cleaned lateral screening and
washed out the skimmers. One more load was taken with hundreds
of starfish and sand dollars. Approximately 500 sand dollars were
found along with 300 starfish and 20+ horseshoe crabs. Discharge
boxes had to be opened during one load due to clogging. The
ship went to the fuel dock from 1300 to 1900. No sightings or
incidents to report.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 12 / 31 / 94

Loads: 53-57

Area Worked: -300+00 to -400+00

Conditions: Overcast, winds N 5-12 knots, seas 2'-6', water temp 55

Are there incidents involving endangered or protected species? Yes No X

Comments: The ship had totake one hour downtime to reattach skimmer
screens and work on the portside TED. The strain put on the skimmer
from the past 3 "starfish" loads broke the welds and made it unsafe
to walk on. Over 300 starfish were found, but there was not enough
to clog the screens. 40-50 horseshoe crabs, 20 eels and numerous
smaller crabs were also found. The ship left for Charleston at 2300.
There were no incidents or sightings to report.

Bridge Watch Summary

Species

No. of animals

Comments

Observer(s) On Duty: Peter Westerman and Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 1 / 95

Loads: 1-10 Charleston

Area Worked: -132 to -200

Conditions: Overcast, winds W 10-15 knots, seas 2', water temp 55.

Are there incidents involving endangered or protected species? Yes No X

Comments: The Sugar Island arrived in Charleston on the morning of the
1st to dig for one day. The first load was started at 0707 and the
final load was finished at 0810 the next day. The first few loads
were a liquid clay that gradually became so thick that it became
difficult to keep the discharge boxes closed for any amount of time.
The only material sampled was found in the lateral screens, which
was very rich in sea life. Crabs, shrimp, egg casings, eels, horseshoe
crabs and a variety of shellfish were found in the thick beds of
sea grass, and reeds brought up in each load. The discharge boxes
and skimmers retained almost no biological material. There were no
incidents or sightings of target species.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Peter Westerman Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island /NATCO
Savannah Harbor Entrance Channel
1994-1995

WEEKLY SUMMARY

Dates: 12 / 26 / 94 - 1 / 1 / 95 Loads: 23-57 1-10 Charleston

Are there incidents involving endangered or protected species? Yes _____ No X

Comments: There were no incidents or sightings of target species.

The TED's and skimmers required considerable maintenance this week.

One hour of downtime was devoted entirely to repairing TED's and welding skimmers. The lateral screening was completely put in place on the morning of the 27th. The discharge boxes were continuously needing to be checked and opened as they filled up with thick clay.

On the 29th and 30th over 2,000 starfish and 1,500 sand dollars were sampled. The starfish clogged the skimmers and caused the welds to become unfastened. For the most part the starfish and sand dollars were unharmed. Approximately 500 horseshoe crabs were found along with 100 assorted small crabs, 50 small eels, 25 skates and a variety of shellfish.

The Sugar Island sailed for Charleston at 2300 on new years eve.

Ten loads were dug during a 24 hour period and then the ship returned to Savannah. The material dug varied from a liquid clay to a thick sticky dark clay in Charleston, and a sand and shell mixture in Savannah. In Charleston the only material sampled was found in the lateral screens. The sea grass and reeds contained a rich and abundant variety of crabs, shrimp, eels, egg casings and shellfish. The water temperature remained at 55 degrees all week and in both locations.

Bridge Watch Summary

Species	Tt	No. of animals	2	Comments
				Spotted near buoy #6 in Savannah

Observers On Duty:

Peter westerman

Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 2 / 95 Loads: 60-62

Area Worked: -400+00 to -500+00

Conditions: Clear, winds NW 10-15 kts., Seas 2', water temp 55°

Are there incidents involving endangered or protected species? Yes No X

Comments: The Substrate was mud mixed with sand and clay. Biological samples included 30 horseshoe crabs, shell debris, and lots of wood. The boxes were opened twice during one of the loads due to congestion of shells, mud and clay. No incidental takes and no sightings.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Pete Westerman Andrew Brown

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 3 / 95Loads: 63-66Area Worked: -400+00 to -500+00 and -345+00 to -370+00Conditions: Clear, winds N 10 kts, seas 1' and ptly cloudy, winds
N 5-8 kts, seas 1' water 55°Are there incidents involving endangered or protected species? Yes No X

Comments: There were no incidental takes and very little
shell debris in the boxes. There were no whale sightings.

Bridge Watch Summary

Species

No. of animals

Comments

Tt2near buoy #6

Observer(s) On Duty:

Pete Westerman, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 4 / 95Loads: 67-69Area Worked: -345+00 to -370+00Conditions: Clear, winds to 5kts, water temp 55°

Are there incidents involving endangered or protected species?

Yes

No

☒Comments: There were no sightings and no incidental takes.

Bridge Watch Summary

Species

No. of animals

Comments

Observer(s) On Duty:

Pete Westerman, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 5 / 95 Loads: 70 - 75

Area Worked: -345+00 to -370+00 -400+00 to -500+00

Conditions: Clear to ptly Cloudy, winds 15-25 kts, water 55°, seas 3-5'

Are there incidents involving endangered or protected species? Yes No X

(6-14) Comments: There were a few crabs including horseshoe crabs, much
shell debris, wood chunks and seagrasses. Shuttles replaced
on TEDs; skimmers cleaned. There were no incidental takes
and no marine mammals sighted.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Pete Westerman, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 6 / 95Loads: 76-80Area Worked: -400+00 to -500+00Conditions: Clear to rain and 100% cloud cover, 10-35 kt winds, flat calm to
10' seas, water 54°Are there incidents involving endangered or protected species? Yes No X

Comments: Shackle replaced and loads 78 and 80 were not
checked on deck, but visually inspected from the wheelhouse.
2 links were replaced on the portside dredge. There were
many starfish, shell debris, lumps of clay and wood. Also
caught were a few eels, horseshoe crabs and coral pieces. There
were no sightings or incidence of endangered species.

Bridge Watch Summary

Species	No. of animals	Comments
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) On Duty: Pete Westerman, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 7 / 95Loads: 81-87Area Worked: -400+00 to -500+00Conditions: Clear, SW winds 10-20 kts, Seas 1-2', water 54°Are there incidents involving endangered or protected species? Yes ☐ No ☒

Comments: There were no sightings and no incidental takes.
Haul number 81 was visually inspected from the wheelhouse
due to rough seas. There were spider crab, eels, coral,
horseshoe crab and many wood chunks, clay balls, shell
debris and starfish.

Bridge Watch Summary

Species

No. of animals

Comments

Observer(s) On Duty: Pete Westerman, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORTDate: 1 / 8 / 95Loads: 88-94Area Worked: -400+00 to -500+00Conditions: Clear, water temp 54°, NW winds \approx 5 kts, waves 1-3'Are there incidents involving endangered or protected species? Yes No X

Comments: Pete Westerman disembarks vessel and is replaced by Laura Morse. Skimmers cleaned twice throughout the day due to large quantities of wood pieces. There were eels, shell debris, horseshoe crab, wood pieces, starfish and rocks in the boxes. There were no sightings of endangered or protected species nor were there takes.

Bridge Watch Summary

Species

No. of animals

Comments

 Observer(s) On Duty: Kathy Krueger, Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
 Savannah Harbor Entrance Channel
 1994-1995

DAILY REPORT

Date: 1 / 9 / 95Loads: 95-100Area Worked: -400+00 to -500+00Conditions: Clear, calm seas, winds variable to 5 kts, ^{water} temp. 54°Are there incidents involving endangered or protected species? Yes No X

Comments: There were no interactions involving endangered or protected species. Substrate is silty and muddy mixed with small amounts of clay. There was wood, horseshoe crab parts, shell debris, seagrass, eels, and few crabs caught. Doors on boxes have been opened several times between dump runs due to debris.

Bridge Watch Summary

Species	No. of animals	Comments
_____	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) On Duty: Kathy Krueger, Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORTDate: 1 / 10 / 95Loads: 101-105Area Worked: -400+00 to -500+00Conditions: clear, winds NW 0-10 Kts, calm seas, water temp. 54°Are there incidents involving endangered or protected species? Yes No X

Comments: There were no incidents involving endangered or
protected species. Port TED chains were shackled together,
boxes cleaned several times between dump runs.

Bridge Watch Summary

Species	No. of animals	Comments
<u>Tt</u>	<u>2</u>	<u>playing in wake of the Hudson River</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Kathy Krueger Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 11 / 95Loads: 106 - 112Area Worked: -400 to 0 to -500 to 0Conditions: clear to ptly cloudy, wind 5-10 kts. NW, water temp. 54°Are there incidents involving endangered or protected species? Yes No X

Comments: There were no incidents involving endangered or protected species. Wood, shell debris, horseshoe crabs, and clay. Replaced 2 shackles on Stbd TED. Boxes cleaned several times between dump loads.

Sighted 10-15 Bottlenose Dolphin at 31°59' : 80°46'

Seagull caught in hopper skimmer, neck ^{was} broken ~~from~~ as a result & was euthanized.

Bridge Watch Summary

Species

No. of animals

Comments

Tt10-15associated w/ gannets & gulls

Observer(s) On Duty:

Kathy Krueger, Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
 Savannah Harbor Entrance Channel
 1994-1995

DAILY REPORT

Date: 1 / 12 / 95Loads: 113 - 115Area Worked: -400+00 to -500+00Conditions: clear, winds variable, calm seas, water temp 54°Are there incidents involving endangered or protected species? Yes No X

Comments: There were no incidents involving endangered or
protected species. Two hauls were done and then the
Sugar Island started heading for port at 0835. Two
Bottlenose dolphins were sighted in the Savannah River.
Fixed starboard TED with shackles at the dock. Fueling
lasted 7 hours.

Bridge Watch Summary

Species	No. of animals	Comments
<u>Tt</u>	<u>2</u>	<u>in Savannah River (proper) about</u> <u>10 feet from Tybee Is. land</u>

Observer(s) On Duty: Kathy Krueger, Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 13 / 95

Loads: 116-124

Area Worked: -600+00 to -500+00

Conditions: winds 5-20kts, pthly cloudy, seas 1-5', water temp 55°

Are there incidents involving endangered or protected species? Yes No X

Comments: There were no incidents involving endangered or protected species. Horseshoe crabs, shell debris, starfish, and clay chunks plugged the boxes and they were usually cleaned once between loads.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Kathy Krueger, Laura Morse

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Savannah Harbor Entrance Channel
1994-1995

DAILY REPORT

Date: 1 / 14 / 95

Loads: 125-129

Area Worked: -500 to 0 to -600 to 0

Conditions: rainy, overcast, wind SSE 10-25 kts, water temperature 54°

Are there incidents involving endangered or protected species? Yes No X

Comments: Weather was too rough to monitor the TEDs. There
were shells and mud in the boxes. ~~Water temp~~ There was
no incidence of endangered or protected species.

Bridge Watch Summary

Species	No. of animals	Comments
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Laura Morse, Kathy Krueger

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Sugar Island / NATCO
Brunswick Harbor Entrance Channel

WEEKLY SUMMARY

Dates: 1 / 9 / 95 - 1 / 15 / 95

Loads: 95-129, 1-8

Are there incidents involving endangered or protected species? Yes No X

Comments: There were no interactions with endangered species.

On 1-14-95, the Sugar Island traveled from Savannah to Brunswick,
where Pete Westerman replaced Laura Morse. Starboard TED was
completely rebuilt on 1-15-95. 1-11-95 Seagull was injured in stbd
Skimmer and euthanized. 1-12-95 Vessel traveled to port to refuel.
The substrate in Savannah was mud with clay, shell debris and
horseshoe crabs and in Brunswick it's silty with sand with
little debris.

Bridge Watch Summary

Species	No. of animals	Comments
<u>Tt</u>	<u>2</u>	<u>Playing in the wake of the Hudson River</u>
<u>Tt</u>	<u>10-15</u>	<u>Associated with gannets & gulls</u>
<u>Tt</u>	<u>2</u>	<u>in Savannah River (proper) 10 feet off coast of</u> <u>Tybee Island</u>

Observers On Duty:

Pete Westerman
Kathy Knueger
Laura Morse